IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Video Projector
Manufacturer: Christie
Firmware Version: 1.01 KC6A
Model(s): LX380, LX450, LX500, LX120

Version History:

Driver Version	Date	IP Link Compiler	IP Link Firmware	GC2 Version	Notes
6	1/28/09	1.3.11.1	1.14	2.5.0	Beta. Added Temperature and Total Running Hours.
5	12/17/08	1.3.11.1	1.14	2.5.0	Beta. Revised lamp hour query for new projector firmware.
4	6/11/08	1.3.11.1	1.12	2.4.0	Beta. Added pin assignments diagram for LX120.
3	05/01/08	1.3.11.1	1.12	2.4.0	Beta, Added LX120 model.
2	02/22/08	1.3.11.1	1.12	2.3.0	Beta version. Added LX500, Changed command order.
1	12/21/07	1.3.11.1	1.12	2.3.0	Beta version.

Driver Notes:

Control Commands & States:

Aspect Ratio	Normal	Wide	Full
Audio Mute	On	Off	
Auto Image	Execute		
Freeze	On	Off	
Input	RGB 1	SCART	DVI
	HDCP	Video 2	Y Pb/Cb Pr/Cr
	RGB 2	Video 3	S-Video
Lamp Mode	Normal	Eco	High
Power	On	Off	
Video Mute	On	Off	
Volume	Up	Down	
Volume	0 - 63		

Status Available:

Aspect Ratio	Normal	Wide	
Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Device Status	Normal	Power Fail	Status Unavailable
	Temp Warning and Recovered	Processing Power Save (Cooling Down)	Temp Warning and Cooling Down
	Cooling Down (Lamp Failure)	Standby (Lamp Failure)	
Freeze	On	Off	
Input	RGB 1	SCART	DVI
	HDCP	Video 2	Y Pb/Cb Pr/Cr
	RGB 2	Video 3	S-Video
Lamp Mode	Normal	Eco	High
Lamp Usage	Hours		
Power	On	Off	
Power Status	On	Off	Cooling Down
	Warming Up	Status Unavailable	
Temperature 1	°C*		
Temperature 2	°C*		
Total Usage Time	Hours		
Video Mute	On	Off	
Volume	0 - 63		

*Temperature is rounded up to the nearest whole number.

Cable and Adapter Requirements LX380, LX450, LX500:

F/F gender changer (Extron Electronics P/N 10-438-10)
M/F RS-232 straight serial cable (Extron Electronics P/N 26-433-XX)
Use control adapter Mini 8 Pin DIN to DB9 Serial Cable that is supplied with projector.

Cable and Adapter Requirements LX120:

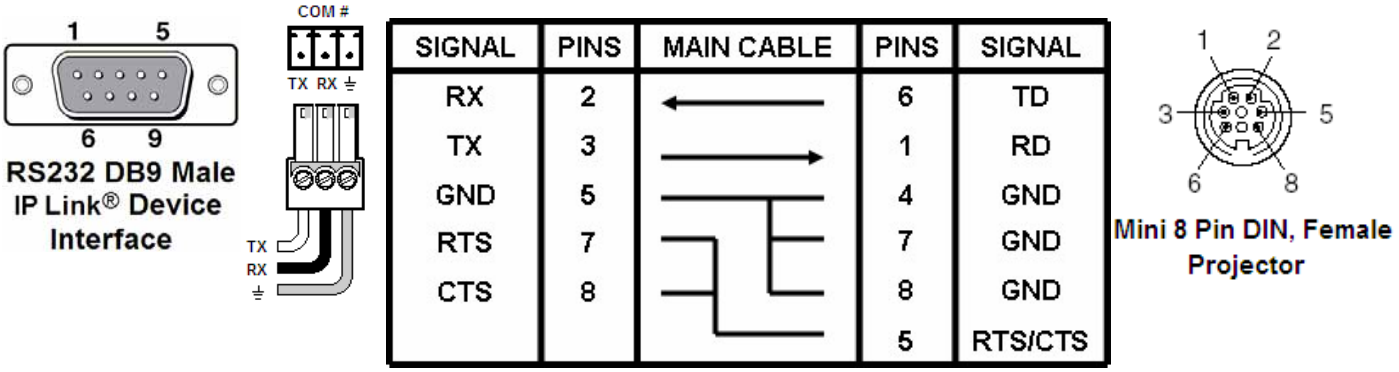
F/F gender changer (Extron Electronics P/N 10-438-10)
M/F RS-232 Null serial cable.

Notes for the Device:

Serial communication:

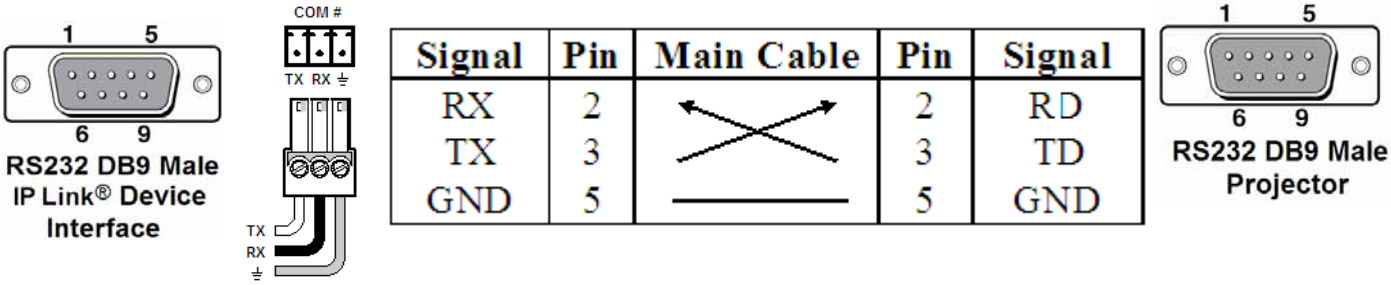
Port Type:	RS232	**Parity:**	None
Baud Rate:	19200	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram for LX380, LX450, LX500:



SIGNAL	PINS	MAIN CABLE	PINS	SIGNAL
RX	2	←	6	TD
TX	3	→	1	RD
GND	5	—	4	GND
RTS	7	—	7	GND
CTS	8	—	8	GND
		—	5	RTS/CTS

Pin Assignments Diagram for LX120:



Signal	Pin	Main Cable	Pin	Signal
RX	2	✕	2	RD
TX	3	✕	3	TD
GND	5	—	5	GND

Note for LX380, LX450, LX500:
Captive screw connector may also be used as a serial connection by shorting projector's RTS/CTS pin to ground. If communication problem still exists, try grounding Pin 5 (RTS/CTS) of the 8 PIN together with Pin 4, 7, & 8.